LU50PB/LU50PW

INSTALLATION/OWNERS MANUAL

Indoor/Outdoor 2-Way Dynamic Loudspeakers

Dual

Introduction

Introduction

The DUAL LU50PB and LU50PW are multi-purpose speakers manufactured and designed to deliver accurate high fidelity sound in exterior and interior environments.

The weather-resistant design and construction make the DUAL LU50's ideal for permanent or temporary outdoor use. The versatile mounting options makes the LU50PB/PW equally at home anywhere.

For simplicity, we will call your AV receiver, or amplifier the receiver.

Important

The grilles are not designed or intended to be removed. Do not remove the grilles from your speakers. There are no user serviceable parts behind the grille.

Indoor/Outdoor Placement

Indoor Placement

The DUAL LU50PB/PW can be placed in any convenient location in your home or patio area - as stereo pairs on either side of your receiver - as surround speakers in home theater surround sound systems that include a subwoofer - in your computer room to enhance the multimedia experience - or as remote speakers.

For ease of installation in wall and ceiling applications, the DUAL mounting brackets (included) can be used. You should experiment with various placements. Room acoustics can produce large apparent differences in the sound for small changes in the placement location. For example, although the speaker may be located at any height above the floor, locating the tweeter near ear level (32" – 36" is optimum) or angling the entire speaker toward ear level, often provides the most realistic imaging experience. The amount of bass perceived increases as you move a speaker closer to intersecting room surfaces (walls, ceiling, floor) and the highest level of bass results are realized from placement in a corner at the floor or ceiling.

Outdoor Placement

The DUAL LU50 has been tested for environmental usage and is weather resistant, but not water proof. Occasional moisture will not dramatically affect performance.To increase speaker life, mount in locations not subject to frequent excessive exposure to water, sun and extreme weather. the speakers should be allowed to ventilate and dry after water exposure. The DUAL LU50 can be placed permanently outdoors for year-round enjoyment. Popular locations include decks, gazebos, porches, atriums, garages, and covered spa areas. A particularly practical mounting location is under the eaves of a building adjacent to an outdoor recreation area.

For temporary placement, remove the mounting brackets and knobs to maintain stability and place the speakers on end or on the side, in positions that achieve the most satisfying audio performance to your ear.

Mounting & Connecting Speakers

Mounting Your Speakers

For ease of installation, the DUAL LU50 includes an easily removable mounting bracket with each speaker. Once mounted, the bracket allows the DUAL LU50 to be pivoted to its ideal location. The thumb screws knobs (included), when tightened properly , will hold the selected speaker position. Avoid over tightening the knob. Before attempting the installation, carefully evaluate the mounting surface, making sure that its composition and construction are strong enough to support the load safely. If you are unsure about the type of mounting hardware for your installation, consult a professional contractor or a knowledgeable hardware store. The anchors and screws to attach the LU50 are not included and must be purchased separately. The LU50PB/PW bracket is suitable only for attaching the speaker to walls or ceilings constructed of Solid wood, brickwork, concrete, hollow buildings block or wood studs.

Do not mount the bracket to non-reinforced plaster or sheetrock (gypsum board). Once the bracket is secure, reattach the speaker using the thumb screws included.

Connecting Your Speakers

Speaker Cable -Typical speaker cable has a pair of separate speaker wires with insulating jackets that are molded together. We recommend you use 18-gauge speaker wire for hooking your speakers to your receiver.

Polarity - All speakers in a system must be connected with the same polarity. Speaker wire is marked for polarity so that you can identify the individual wires in the molded pair. Polarity is shown by a color stripe on the insulation, by ridges molded into the insulation, or by the colors of the wires–one copper and one silver.

Important - Always connect the red (+) terminal on the receiver to the red (+) terminal on the back of the DUAL LU50, and the black (-) terminal on the receiver to the black (-) terminal on the back of the DUAL LU50.

Troubleshooting

Distortion/Knocking

If you believe you hear obvious distortion or knocking sounds, immediately lower the volume level of your receiver. Those sounds often indicate that either the receiver or the speaker is being overdriven and damage can result in playing your source material (Music-CD's-DVD) at high volumes. You should avoid turning the bass or treble controls fully up or using your "Loudness button" when the volume level also is turned up. This can lead to costly loudspeaker failure.

Distorted or unnatural sound can indicate poor connections or a speaker failure. If only one of your speakers has poor sound quality, check the connections. If that doesn't fix the problem, try putting each speaker in place of one another . If the sound remains poor on the suspect speaker and the distortion moves to the new position, the speaker has a problem. If the sound is OK, it is probably the receiver or the speaker wiring that is causing the poor sound at the original location.

Limited Two-Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Namsung America Inc. warrants this product to the original purchaser to be free from defects in material and workmanship, under normal conditions, for a period of two years from the date of the original purchase. Namsung America agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new or renewed product in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase.

During the Two-Year Warranty Period
For two years from the date of purchase, your product will be replaced with a new, renewed or comparable product (whichever is deemed necessary) if it becomes defective or inoperative. This is done without charge to you. Replacement products are warranted for the balance of the original warranty period.

Who is covered?
This warranty is extended to the original retail purchaser for products purchased and used in the U.S.A., in the 48 contiguous states ONLY.

What is covered?
This warranty covers all defects in material and workmanship in this product. The following are not covered: installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product.

What to do?
If the product requires warranty service, you must prepay the initial shipping charges. DUAL will pay the return shipping charges if the product is returned to an address within the USA.

Namsung America Inc.
Attn: Returns Center
21318 64th Ave. South
Kent, WA 98032 U.S.A.
Toll Free: 1-866-626-7863

Exclusion of Certain Damages
This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.

Specifications

Specifications

Frequency Response **55Hz-22kHz ±3dB**
Woofer **5 1/4" polypropylene**
Tweeter **1/2" Kapton dome**
Sensitivity **89dB (2.83v @ 1 meter)**
Nominal Impedance **8 ohms**
Power Handling* **60 watts RMS - 125 watts (IPP)**
Dimensions (H x W x D) **15.63" x 11.81" x 13"**
Weight **4.5 lbs**
Finish **Black or White**

* Power handling is based on amplifier volume never being set above the point of audible distortion.

All Rights Reserved. All specifications subject to change without notice.

Namsung America Inc.
21318 64th Ave. South
Kent, WA 98032 U.S.A.
Toll Free: 1-866-626-7863

©2003 Namsung America, Inc.

EVOK0303-V01